

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A high temperature/high pressure vessel for treating a workpiece placed in the interior of the vessel at a high temperature and a high pressure, said vessel comprising:

a cylindrical body, with piano wire wound under tension round an outer periphery of said cylindrical body; and

lid members which tightly close axial openings of said cylindrical body so as to be disengageable from said openings, said cylindrical body comprising:

an inner cylinder;

a plurality of spacers arranged along an outer periphery surface of said inner cylinder;

and

an outer cylinder fitted on said inner cylinder through said spacers,

wherein cooling water flow paths are formed each between adjacent said spacers, said cooling water flow paths extending from one end side to an opposite end side of said inner cylinder cylindrical body.

Claim 2 (Original): The high temperature/high pressure vessel according to claim 1, wherein, after fitted in a state of a high temperature on outer peripheries of said spacers, said outer cylinder is shrunk and deformed as the temperature drops.

Claim 3 (Cancelled).

Claim 4 (Currently Amended): [[The]] A high temperature/high pressure vessel according to claim 2 for treating a workpiece placed in the interior of the vessel at a high temperature and a high pressure, said vessel comprising:

a cylindrical body, with wire wound under tension round an outer periphery of said cylindrical body; and

lid members which tightly close axial openings of said cylindrical body so as to be disengageable from said openings, said cylindrical body comprising:

an inner cylinder;

a plurality of spacers arranged along an outer periphery surface of said inner cylinder;

and

an outer cylinder fitted on said inner cylinder through said spacers,

wherein cooling water flow paths are formed each between adjacent said spacers, said cooling water flow paths extending from one end side to an opposite end side of said cylindrical body, wherein said spacers are fixed to the outer periphery surface of said inner cylinder by means a clamp member fitted in each of outer grooves of the spacers and having a thickness not larger than the depth of each said outer groove, said outer grooves being formed respectively in said spacers in a direction orthogonal to the spacers.

Claim 5 (Currently Amended): [[The]] A high temperature/high pressure vessel according to claim 3 for treating a workpiece placed in the interior of the vessel at a high temperature and a high pressure, said vessel comprising:

a cylindrical body, with wire wound under tension round an outer periphery of said cylindrical body; and

lid members which tightly close axial openings of said cylindrical body so as to be disengageable from said openings, said cylindrical body comprising:

an inner cylinder;

a plurality of spacers arranged along an outer periphery surface of said inner cylinder;

and

an outer cylinder fitted on said inner cylinder through said spacers,

wherein cooling water flow paths are formed each between adjacent said spacers, said  
cooling water flow paths extending from one end side to an opposite end side of said  
cylindrical body, wherein, after fitted on outer peripheries of said spacers, said outer cylinder  
is shrunk and deformed by the winding of said wire, wherein said spacers are fixed to the  
outer periphery surface of said inner cylinder by means of a clamp member fitted in each of  
outer grooves of the spacers and having a thickness not larger than the depth of each said  
outer groove, said outer grooves being formed respectively in said spacers in a direction  
orthogonal to the spacers.

Claim 6 (Original): The high temperature/high pressure vessel according to claim 1,  
further comprising:

a cooling water supply header for the supply of cooling water to said cooling water  
flow paths, said cooling water supply header being disposed in a watertight manner on the  
one end side of said cylindrical body; and

a cooling water collecting header for the collection of cooling water flowing out from  
said cooling water flow paths, said cooling water collecting header being disposed in a  
watertight manner on the opposite end side of said cylindrical body opposite to said cooling  
water supply header.

Claim 7 (Original): The high temperature/high pressure vessel according to claim 6, wherein said cooling water supply header and said cooling water collecting header are constructed so that they can be mounted and removed.

Claim 8 (Currently Amended): [[The]] A high temperature/high pressure vessel ~~according to claim 1 for treating a workpiece placed in the interior of the vessel at a high temperature and a high pressure, said vessel comprising:~~

a cylindrical body, with wire wound under tension round an outer periphery of said cylindrical body; and

lid members which tightly close axial openings of said cylindrical body so as to be disengageable from said openings, said cylindrical body comprising:

an inner cylinder;  
a plurality of spacers arranged along an outer periphery surface of said inner cylinder;  
and

an outer cylinder fitted on said inner cylinder through said spacers,  
wherein cooling water flow paths are formed each between adjacent said spacers, said cooling water flow paths extending from one end side to an opposite end side of said cylindrical body, wherein said piano wire is wound round an outer periphery of said outer cylinder through spacer pieces, with leakage water guide paths being formed transversely outwards of each said spacer piece to guide leakage water toward an end portion of said cylindrical body which leakage water leaks from said cooling water flow paths, and leakage water detecting means are provided in said leakage water guide paths.

Claim 9 (Original): The high temperature/high pressure vessel according to claim 1, wherein said spacers are flat bars.

Claim 10 (Currently Amended): A high temperature/high pressure vessel for treating a workpiece placed in the interior of the vessel at a high temperature and a high pressure, said vessel comprising:

a cylindrical body;

lid members which tightly close axial openings of said cylindrical body so as to be disengageable from said openings;

a plurality of spacers arranged along an outer periphery surface of said cylindrical body; and

cooling water pipes each interposed between adjacent said spacers and extending from one end side to an opposite end side of said cylindrical body,

wherein ~~piano~~ wire is wound under tension round outer peripheries of said spacers.

Claim 11 (Currently Amended): The high temperature/high pressure vessel according to claim 10, wherein said cooling water pipes are brought into close contact with the outer periphery surface of said cylindrical body by deformation caused by the winding of said ~~piano~~ wire.

Claim 12 (Original): The high temperature/high pressure vessel according to claim 10, wherein a heat conductive material is filled between the outer periphery surface of said cylindrical body and said cooling water pipes and also between said cooling water pipes and said spacers.

Claim 13 (Original): The high temperature/high pressure vessel according to claim 10, further comprising:

a cooling water supply header for the supply of cooling water to said cooling water flow paths, said cooling water supply header being disposed in a watertight manner on the one end side of said cylindrical body; and

a cooling water collecting header for the collection of cooling water flowing out from said cooling water flow paths, said cooling water collecting header being disposed in a watertight manner on the opposite end side of said cylindrical body opposite to said cooling water supply header.

Claim 14 (Original): The high temperature/high pressure vessel according to claim 13, wherein said cooling water supply header and said cooling water collecting header are constructed so that they can be mounted and removed.

Claim 15 (Original): The high temperature/high pressure vessel according to claim 10, wherein said spacers are flat bars.